

## ABSTRACT

According to the invention, the tilt angle in a liquid crystal cell is no longer determined by detecting the pseudo-symmetric angle offset in relation to the coordinate origin in a transmission curve dependent on the angle of irradiation but by calculating, on the basis of a mathematical cell model, the curves of the angle-dependent transmission path modulations, over the angle of irradiation, stemming from the birefringence characteristics and for better adjustment notably in the case of very thin cells possibly at least also those stemming from the multiple reflections in the cell, are calculated. As a result the method can in particular also be applied to thin cells taken directly from the production line.

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